

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 80-30

NPDES NO. CA0028517

WASTE DISCHARGE REQUIREMENTS FOR:

HYSOL DIVISION/THE DEXTER CORPORATION  
PITTSBURG, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, hereinafter Board, finds that:

1. Hysol Division/The Dexter Corporation, Pittsburg, hereinafter discharger, filed an application dated February 26, 1980 for waste discharge requirements and a permit to discharge waste under the National Pollutant Discharge Elimination System.
2. The discharger manufactures adhesives and produces a dry average flow of 5500 gallons per day of once-through cooling water from its condensers, refrigeration units, and solvent recovery system. This waste, together with stormwater runoff and waste from neighboring Shell Oil Company Manufacturing Complex is currently collected in an evaporation pond owned by Pacific Gas and Electric Company (PG&E). There is no discharge from this pond at present. The discharger has been notified by PG&E to terminate the diversion of waste into its evaporation pond.
3. The discharger proposes to discharge the waste described in Finding 2 into a ditch tributary to Suisun Bay at a point east of Stake Point. The waste will be mixed with the waste from Shell Oil Company in a ditch downstream from the discharge before discharge into Suisun Bay. The discharge of waste from Shell Oil Company is regulated by a separate NPDES permit. The limitations specified in this Order shall apply only to Hysol Division/The Dexter Corporation.
4. In April 1975 the Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan).
5. The beneficial uses of Suisun Bay and contiguous waters, as identified in the Basin Plan, are:
  - a. Recreation (contact and non-contact).
  - b. Fish migration and spawning.
  - c. Habitat for wildlife and estuarine organisms including some rare and endangered species.
  - d. Industrial water supply.
  - e. Esthetic enjoyment.
  - f. Navigation.
  - g. Commercial and sport fishing.

6. The Basin Plan prohibits the discharge of any wastewater which has particular characteristics of concern to beneficial uses into any nontidal water or dead-end slough or similar confined water areas or their immediate tributaries. The receiving waters for the discharge constitutes a confined area similar to a deadend slough.
7. The Board finds that the discharge of waste from the discharger contains only negligible amounts of pollutants and has no particular characteristics of concern to beneficial uses. Therefore, the Basin Plan prohibition does not apply to this waste discharge.
8. Effluent limitation, toxic effluent standards, established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
9. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
10. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Prohibitions

The discharge of epoxy resin, methanol adhesives, organic solvents, and other process waste is prohibited. Any accidental spill of chemicals shall be cleaned up immediately to the maximum extent possible.

B. Effluent Limitations

1. The discharge of Waste 001 which contains constituents in excess of the following **limits is prohibited:**

<u>Constituent</u>	<u>Units</u>	<u>30-Day Average</u>	<u>Daily Maximum</u>
a. Oil & grease	mg/l	15	20
	lbs/day	0.69	0.92

<u>Constituent</u>	<u>Units</u>	<u>30-Day Average</u>	<u>Daily Maximum</u>
b. Suspended Solids	mg/l	20	30
	lbs/day	0.92	1.38

2. Waste 001 shall not have pH less than 6.5 nor greater than 8.5.
3. In any representative set of samples, waste 001 as discharged shall meet the following limit of quality:

TOXICITY:

The survival of a test organism acceptable to this Regional Board in 96-hour bioassays of the effluent as discharged shall achieve a median of 90% survival for three consecutive samples and a 90 percentile value of not less than 70% survival for 10 consecutive samples.

4. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the state at any place.
  - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
  - b. Bottom deposits or aquatic growths;
  - c. Alteration of turbidity or apparent color beyond present natural background levels;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
  - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentrations.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State at any place within one foot of the water surface:

- a. Dissolved Oxygen 7.0 mg/l minimum. Annual median - 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
  - b. pH Variation from natural ambient pH by more than 0.2 pH units.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

- 1. Neither the treatment nor the discharge of pollutants shall create a nuisance as defined in the California Water Code.
- 2. The discharge shall comply with the following:
  - a. The maximum temperature shall not exceed the natural receiving water temperature by more than 20°F.
  - b. No discharge shall cause a surface water temperature rise greater than 4°F above the natural temperature of the receiving waters at any time or place.
  - c. The maximum temperature shall not exceed 86°F.
- 3. This Order includes the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977, except items A.5, B.2, and B.5.
- 4. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator, U. S. Environmental Protection Agency, has no objections.
- 5. This permit may be modified, or, alternatively, revoked and reissued to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v. Russell E. Train, 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:

- (a) is different in conditions or more stringent than any effluent limitation in the permit; or
  - (b) controls any pollutant not limited in the permit.
6. This Order expires on May 20, 1985 and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on June 17, 1980.

FRED H. DIERKER  
Executive Officer

Attachments:

Standard Provisions, Reporting Requirements & Definitions - April 1977  
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

Hysol Division/The Dexter Corporation

Pittsburg

Contra Costa County

NPDES NO. CA 00288517

ORDER NO. 80-30

CONSISTS OF

PART A, dated January 1978

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. Effluent

<u>Station</u>	<u>Description</u>
E-001	At any point in the drainage ditch, north-west of Hysol/Dexter plant where all waste tributary to the outfall is present.

B. Receiving Waters

<u>Station</u>	<u>Description</u>
C-1	In the ditch that conveys waste 001, not more than 10 feet downstream from the discharger's boundary fence.

C. Land Observations

<u>Station</u>	<u>Description</u>
P-1	Located within 100 feet downstream from the discharger's boundary fence in a drainage ditch that conveys waste 001.

II. SCHEDULE OF SAMPLING AND ANALYSES

- A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATION OF PART A

Delete: C.3, C.4, and D.3.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 80-30.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

Attachments:  
Table I

FRED H. DIERKER  
Executive Officer

Effective Date June 25, 1980

TABLE I  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

CA0028517

SAMPLING STATIONS	E-001			C-1	P-1				
TYPE OF SAMPLES	Cont	C-24	G	O	O				
All Applicable Standard Observations				Q	Q				
Oil & Grease (mg/l)			Q						
Settleable Matter ml/l/hour			Q						
pH (Units)			M		Q				
Toxicity % Survival			Y						
Temperature (°F)			M						

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample  
C-24 = composite sample - 24-hour  
Cont = continuous sampling  
O = observation

FREQUENCY OF SAMPLING

M = once each month  
Y = once each year  
Q = quarterly, once in March, June, Sept.  
and December